



SEQUENCE LISTING

<10> The Government of the United States of America, as represented by the Secretary of the Department of Health and Human Services

Klinman, Dennis M.
Verthelyi, Daniela

<120> METHOD OF TREATING AND PREVENTING INFECTIONS IN IMMUNOCOMPROMISED SUBJECTS WITH IMMUNOSTIMULATORY CPG

<130> 4239-66899

<140> 10/666,022

<141> 2003-09-17

<150> US 60/411,944

<151> 2002-09-18

<160> 181

<170> PatentIn version 3.1

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26

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<400> 83
nnnrycgryn nnwwwwwwgg gggggggg

27

<210> 84
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<220>
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<220>
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28

<210> 85
<211> 29
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<220>
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<220>
<221> misc_feature
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<400> 85
nnnrycgryn nnwwwwwwww gggggggggg 29

<210> 86
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<220>
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<220>
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<400> 86
nnnrycgryn nnwwwwwwww wggggggggg 30

<210> 87
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nnnrycgryn nnwwwwwwww wwgggggggg g 31

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<210> 89
<211> 23

<212> DNA
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<220>
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<220>
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<400> 89
nnnrycgryn nnwggggggg ggg

23

<210> 90
<211> 24
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<220>
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<220>
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<400> 90
nnnrycgryn nnwwgggggg gggg

24

<210> 91
<211> 25
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<220>
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<220>
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<400> 91
nnnrycgryn nnwwwggggg ggggg

25

<210> 92
<211> 26
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<223> n is a, c, g, or t
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<400> 92
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26

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<210> 93
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<400> 93
nnnrycgryn nnwwwwgggg gggggggg
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27

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<210> 94
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<220>
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<223> n is a, c, g, or t
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28

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<210> 95
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<220>
<223> synthetic
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<220>
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<400> 95
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<210> 96
<211> 30
<212> DNA
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<220>
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<220>
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<400> 96
nnnrycgryn nnwwwwwwww gggggggggggg 30

<210> 97
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<400> 97
nnnrycgryn nnwwwwwwww wgggggggggg g 31

<210> 98
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<212> DNA
<213> Artificial Sequence

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<223> synthetic

<220>
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<400> 98
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<211> 18

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<223> synthetic

<220>
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<400> 99
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18

<210> 100
<211> 19
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<213> Artificial Sequence

<220>
<223> synthetic

<220>
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<400> 100
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19

<210> 101
<211> 20
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<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
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<400> 101
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20

<210> 102
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(21)
<223> n is a, c, g, or t

<400> 102
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21

<210> 103
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(22)
<223> n is a, c, g, or t

<400> 103
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22

<210> 104
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(23)
<223> n is a, c, g, or t

<400> 104
ggnnnrycgr ynnnwwwwg ggg

23

<210> 105
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<400> 105
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<210> 106
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
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<223> n is a, c, g, or t

<400> 106
ggnnnrycgr ynnnnwwwww wgggg 25

<210> 107
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(26)
<223> n is a, c, g, or t

<400> 107
ggnnnrycgr ynnnnwwwww wwgggg 26

<210> 108
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(27)
<223> n is a, c, g, or t

<400> 108
ggnnnrycgr ynnnnwwwww wwwgggg 27

<210> 109
<211> 28

<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(28)
<223> n is a, c, g, or t

<400> 109
ggnnnrycgr ynnnwwwww wwwwgggg

28

<210> 110
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<220>
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<223> n is a, c, g, or t

<400> 110
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19

<210> 111
<211> 20
<212> DNA
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<220>
<223> synthetic

<220>
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<222> (1)..(20)
<223> n is a, c, g, or t

<400> 111
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20

<210> 112
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
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<223> n is a, c, g, or t

<400> 112
ggnnnrycgr ynnnwwgggg g

21

<210> 113
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(22)
<223> n is a, c, g, or t

<400> 113
ggnnnrycgr ynnnwwwg gg

22

<210> 114
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(23)
<223> n is a, c, g, or t

<400> 114
ggnnnrycgr ynnnwwwgg ggg

23

<210> 115
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<220>
<221> misc_feature
<222> (1)..(24)
<223> n is a, c, g, or t

<400> 115	24
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<210> 116	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<220>	
<221> misc_feature	
<222> (1)..(25)	
<223> n is a, c, g, or t	
<400> 116	25
ggnnnrycgr ynnnwwwwww ggggg	
<210> 117	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<220>	
<221> misc_feature	
<222> (1)..(26)	
<223> n is a, c, g, or t	
<400> 117	26
ggnnnrycgr ynnnwwwwww wggggg	
<210> 118	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> synthetic	
<220>	
<221> misc_feature	
<222> (1)..(27)	
<223> n is a, c, g, or t	
<400> 118	27
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<210> 119	
<211> 28	

<212> DNA
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<220>
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<220>
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<400> 119
ggnnnrycgr ynnnnwwwww wwwggggg

28

<210> 120
<211> 29
<212> DNA
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<220>
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<220>
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<400> 120
ggnnnrycgr ynnnnwwwww wwwwggggg

29

<210> 121
<211> 20
<212> DNA
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<220>
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<223> n is a, c, g, or t

<400> 121
ggnnnrycgr ynnnngggggg

20

<210> 122
<211> 21
<212> DNA
<213> Artificial Sequence

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<223> synthetic

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<222> (1)..(21)
<223> n is a, c, g, or t
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```
<400> 122
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21

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<210> 123
<211> 22
<212> DNA
<213> Artificial Sequence
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<220>
<223> synthetic
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```
<220>
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<222> (1)..(22)
<223> n is a, c, g, or t
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```
<400> 123
ggnnnrycgr ynnnwgggg gg
```

22

```
<210> 124
<211> 23
<212> DNA
<213> Artificial Sequence
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<220>
<223> synthetic
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<222> (1)..(23)
<223> n is a, c, g, or t
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<400> 124
ggnnnrycgr ynnnwgggg ggg
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23

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<210> 125
<211> 24
<212> DNA
<213> Artificial Sequence
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<400> 125
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<210> 126
<211> 25
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<400> 126
ggnnnrycgr ynnnnwwwwwg ggggg 25

<210> 127
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

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<222> (1)..(26)
<223> n is a, c, g, or t

<400> 127
ggnnnrycgr ynnnnwwwww gggggg 26

<210> 128
<211> 27
<212> DNA
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<220>
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<223> n is a, c, g, or t

<400> 128
ggnnnrycgr ynnnnwwwww wgggggg 27

<210> 129
<211> 28

<212> DNA
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<400> 129
ggnnnrycgr ynnnwwwwww wwgggggg

28

<210> 130
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<220>
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<222> (1)..(29)
<223> n is a, c, g, or t

<400> 130
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29

<210> 131
<211> 30
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<220>
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<220>
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<222> (1)..(30)
<223> n is a, c, g, or t

<400> 131
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30

<210> 132
<211> 21
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<220>
<223> synthetic

<220>
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<222> (1)..(21)
<223> n is a, c, g, or t

<400> 132
ggnnnrycgr ynnnnggggg g

21

<210> 133
<211> 22
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<213> Artificial Sequence

<220>
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<220>
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<222> (1)..(22)
<223> n is a, c, g, or t

<400> 133
ggnnnrycgr ynnnwggggg gg

22

<210> 134
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<220>
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<223> n is a, c, g, or t

<400> 134
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23

<210> 135
<211> 24
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<220>
<223> synthetic

<220>
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<222> (1)..(24)
<223> n is a, c, g, or t

<400> 135
ggnnnrycgr ynnnwwwggg gggg 24

<210> 136
<211> 25
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<220>
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<223> n is a, c, g, or t

<400> 136
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<210> 137
<211> 26
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<220>
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<220>
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<222> (1)..(26)
<223> n is a, c, g, or t

<400> 137
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<210> 138
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<220>
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<220>
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<222> (1)..(27)
<223> n is a, c, g, or t

<400> 138
ggnnnrycgr ynnnwwwww ggggggg 27

<210> 139
<211> 28

<212> DNA
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<400> 139
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28

<210> 140
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<222> (1)..(29)
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<400> 140
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29

<210> 141
<211> 30
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<220>
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<220>
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<222> (1)..(30)
<223> n is a, c, g, or t

<400> 141
ggnnnrycgr ynnnnwwwww wwwggggggg

30

<210> 142
<211> 31
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<220>
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<222> (1)..(31)
<223> n is a, c, g, or t

<400> 142
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31

<210> 143
<211> 22
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<220>
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<220>
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<222> (1)..(22)
<223> n is a, c, g, or t

<400> 143
ggnnnrycgr ynnnggggg gg

22

<210> 144
<211> 23
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<220>
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<223> n is a, c, g, or t

<400> 144
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23

<210> 145
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<220>
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<223> n is a, c, g, or t

<400> 145
ggnnnrycgr ynnnwwgggg gggg 24

<210> 146
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<223> n is a, c, g, or t

<400> 146
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<210> 147
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<223> n is a, c, g, or t

<400> 147
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<210> 148
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<220>
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<220>
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<222> (1)..(27)
<223> n is a, c, g, or t

<400> 148
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<210> 149
<211> 28

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<220>
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<400> 149
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28

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<400> 150
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29

<210> 151
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<220>
<223> synthetic

<220>
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<222> (1)..(30)
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<400> 151
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30

<210> 152
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<213> Artificial Sequence

<220>
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<220>
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<400> 152
ggnnnrycgr ynnnnwwwww wwwggggggg g

31

<210> 153
<211> 32
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<220>
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<220>
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<222> (1)..(32)
<223> n is a, c, g, or t

<400> 153
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32

<210> 154
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<220>
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<220>
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<400> 154
ggnnnrycgr ynnngggggg ggg

23

<210> 155
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<220>
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<223> n is a, c, g, or t

<400> 156
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<400> 157
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<223> n is a, c, g, or t

<400> 158
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<210> 159
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28

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29

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<400> 161
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30

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31

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32

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<220>
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<400> 167
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<400> 168
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28

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<400> 170
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29

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30

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31

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32

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<400> 174
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33

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<211> 11	
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<400> 180
tcgtttgttc t 11

<210> 181
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<220>
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<400> 181
tcgagcgttc tc 12